

**Amendments to the Specification:**

In the insertions that appear below, the underlining is used only to indicate that the language is to be added to the text, not to indicate that the insertions are to be underlined.

On page 1, replace **Field of invention** with **FIELD OF THE INVENTION**

On page 1, replace **Background to the invention** with **BACKGROUND OF THE INVENTION**

On page 2, replace **Summary of the Invention** with **BRIEF SUMMARY OF THE INVENTION**

On page 5, insert before paragraph [0025] **BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S)**

On page 6, insert before paragraph [0035] **DETAILED DESCRIPTION OF THE INVENTION**

Please replace paragraph [0045] with the following paragraph:

[0001] Fig **6** **7** shows by way of a flow diagram the monitoring and decision making steps of a wheel monitoring system embodying the invention. The system assumes a formed CBN wheel to be grinding a formed region of a crankshaft and a linear motor wheelfeed.

On page 11, replace **CLAIMS** with **CLAIM OR CLAIMS**

On page 15, replace **ABSTRACT** with **ABSTRACT OF THE DISCLOSURE**